

FIG. 1  
(Prior Art)

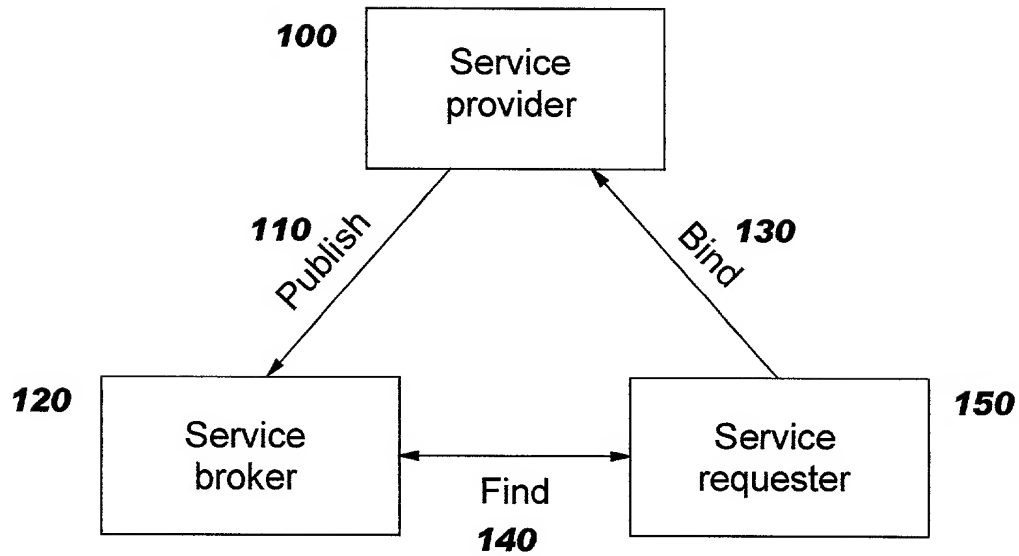
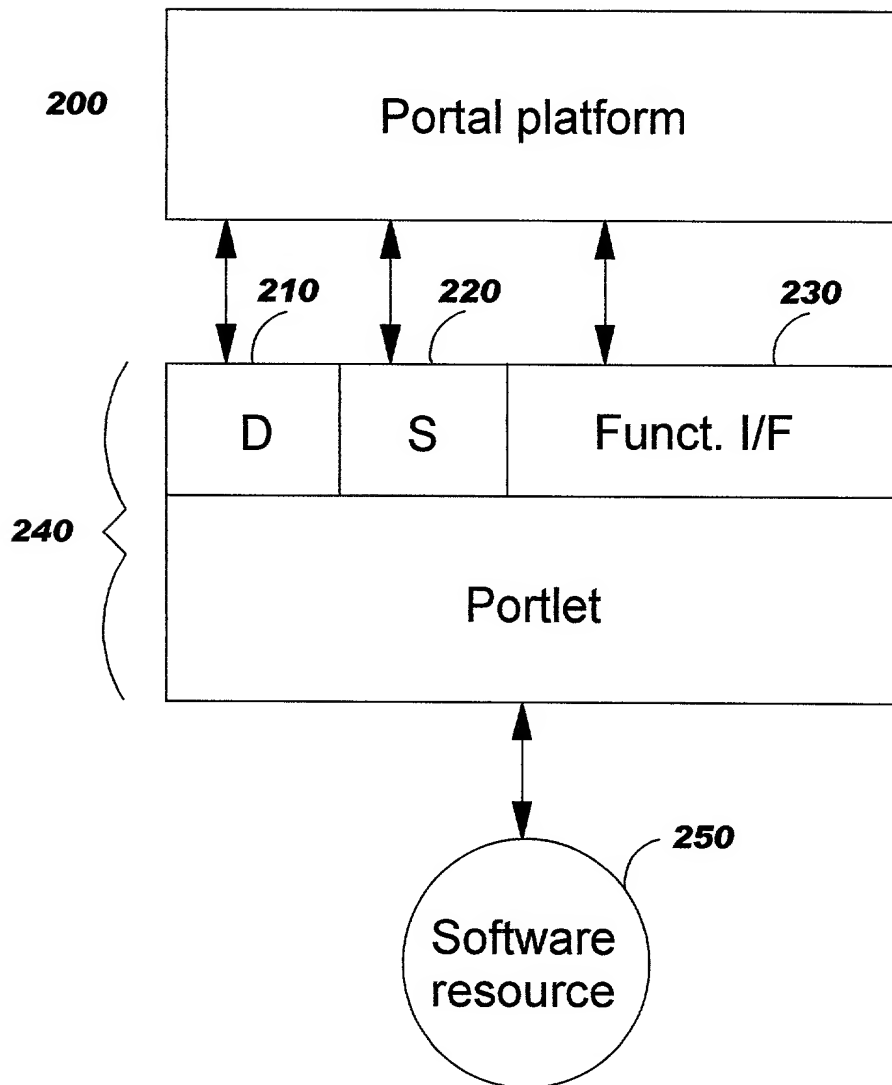


FIG. 2



## FIG. 3A

**300**

**310**

```
<?xml version="1.0"?>
<definitions
  name="Deployment"
  targetNamespace="http://portal-definitions/Deployment.wsdl"
  xmlns:tns="http://portal-definitions/Deployment.wsdl"
  xmlns:wsfl="http://schemas.xmlsoap.org/wsfl/"
  xmlns="http://schemas.xmlsoap.org/wsdl/">
```

**320**

```
<message name="getDisplayNameInput">
  <part name="displayNameInput" element="xsd:nil"/>
</message>
<message name="getDisplayNameOutput">
  <part name="displayNameOutput" element="xsd:string"/>
</message>
<message name="getDisplayIcon16x16Input">
  <part name="displayIcon16x16Input" element="xsd:nil"/>
</message>
<message name="getDisplayIcon16x16Output">
  <part name="displayIcon16x16Output" element="xsd:image"/>
</message>
...
```

**330**

```
<portType name="DeploymentPortType">
  <operation name="displayName">
    <input message="tns:getDisplayNameInput"/>
    <output message="tns:getDisplayNameOutput"/>
  </operation>
  <operation name="getDisplayIcon16x16">
    <input message="tns:getDisplayIcon16x16Input"/>
    <output message="tns:getDisplayIcon16x16Output"/>
  </operation>
  ...
</portType>
</definitions>
```

## FIG. 3B1

FIG. 3B1

FIG. 3B2

FIG. 3B

**350**

**360**

```
<?xml version="1.0"?>
<definitions
  name="System"
  targetNamespace="http://portal-definitions/System.wsdl"
  xmlns:tns="http://portal-definitions/System.wsdl"
  xmlns:wsfl="http://schemas.xmlsoap.org/wsfl/"
  xmlns="http://schemas.xmlsoap.org/wsdl/">
```

**370**

```
<types>
  <schema xmlns="http://www.w3.org/2000/10/XMLSchema">
    <element name="Event">
      <complexType>
        <all>
          <element name="uuid" type="xsd:string/>
          <element name="type" type="xsd:string/>
          <element name="when" type="xsd:date/>
        </all>
      </complexType>
    </element>
  </schema>
</types>
```

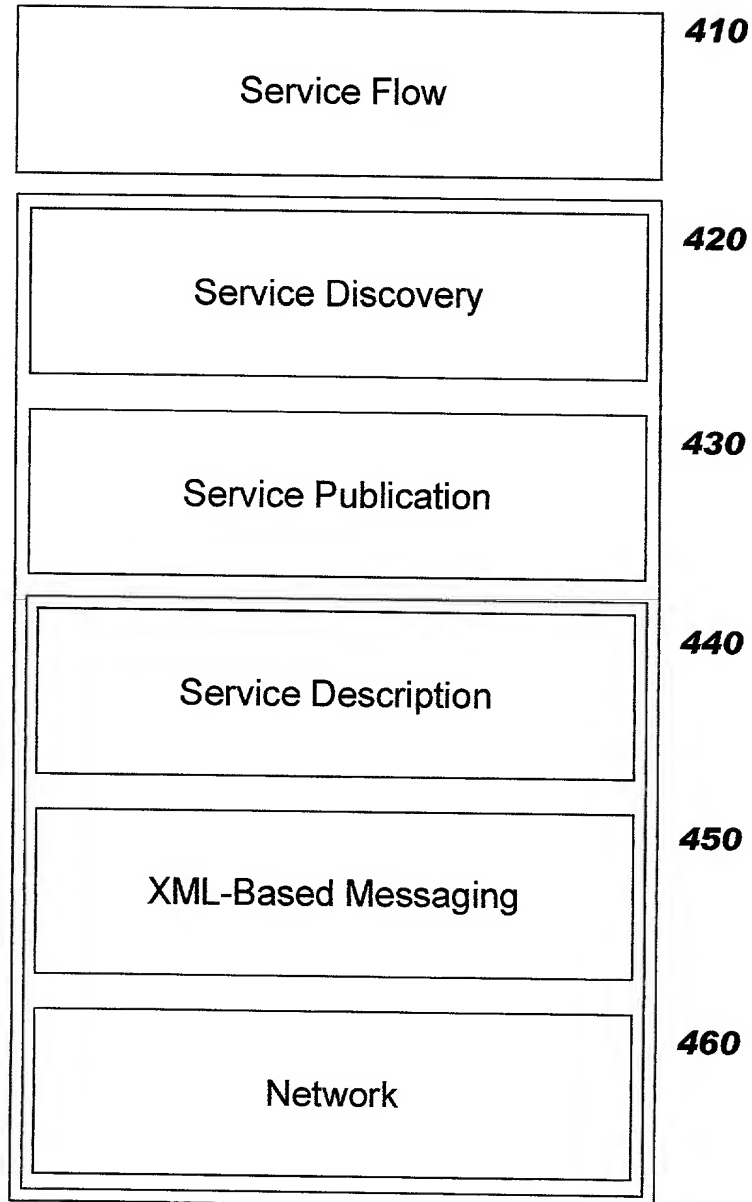
...

FIG. 3B2

```
380 <message name="logEventReceive">
    <part name="logEventInput" element="tns:Event"/>
</message>
<message name="reportInput">
    <part name="reportUsageResource" element="xsd:string"/>
    <part name="reportUsageQuantity" element="xsd:integer"/>
</message>
<message name="reportOutput">
    <part name="reportReturnCode" element="xsd:string"/>
</message>
...
390 <portType name="SystemPortType">
    <operation name="logEvent">
        <input message="tns:logEventReceive"/>
    </operation>
    <operation name="reportUsage">
        <input message="tns:reportInput"/>
        <output message="tns:reportOutput"/>
    </operation>
...
</portType>
...
</definitions>
```

FIG. 4

**400**



## FIG. 5A

**500**

**502**      <message name="InResolveProvisioningIDRequest">  
            <part name="authToken" type="xsd:string"/>  
          </message>

**504**      <message name="OutResolveProvisioningIDResponse">  
            <part name="Identifier" type="xsd:string"/>  
          </message>

**506**      <message name="InResolveUsersRequest">  
            <part name="authToken" type="xsd:string"/>  
            <part name="provID" type="xsd:string"/>  
          </message>

**508**      <message name="OutResolveUsersResponse">  
            <part name="UserSet" type="SOAP-ENC:Array"/>  
          </message>

**510**      <message name="InCreateUserProfileRequest">  
            <part name="authToken" type="xsd:string"/>  
            <part name="provID" type="xsd:string"/>  
            <part name="userID" type="xsd:string"/>  
            <part name="password" type="xsd:string"/>  
            <part name="FullName" type="xsd:string"/>  
            <part name="accessRights" type="SOAP-ENC:Array"/>  
          </message>

**512**      <message name="OutCreateUserProfileResponse">  
            <part name="result" type="xsd:boolean"/>  
          </message>

## FIG. 5B

**514** <message name="InQueryUserProfileRequest">  
    <part name="authToken" type="xsd:string"/>  
    <part name="provID" type="xsd:string"/>  
    <part name="userID" type="xsd:string"/>  
    </message>

**516** <message name="OutQueryUserProfileResponse">  
    <part name="password" type="xsd:string"/>  
    <part name="FullName" type="xsd:string"/>  
    <part name="accessRights" type="SOAP-ENC:Array"/>  
    </message>

**518** <message name="InUpdateUserProfileRequest">  
    <part name="authToken" type="xsd:string"/>  
    <part name="provID" type="xsd:string"/>  
    <part name="userID" type="xsd:string"/>  
    <part name="password" type="xsd:string"/>  
    <part name="FullName" type="xsd:string"/>  
    <part name="accessRights" type="SOAP-ENC:Array"/>  
    </message>

**520** <message name="OutUpdateUserProfileResponse">  
    <part name="result" type="xsd:boolean"/>  
    </message>

**522** <message name="InDeleteUserProfileRequest">  
    <part name="authToken" type="xsd:string"/>  
    <part name="provID" type="xsd:string"/>  
    <part name="userID" type="xsd:string"/>  
    </message>



## FIG. 5C

**524** <message name="OutDeleteUserProfileResponse">  
    <part name="result" type="xsd:boolean"/>  
</message>

**526** <message name="InSetConfigParameterRequest">  
    <part name="authToken" type="xsd:string"/>  
    <part name="provID" type="xsd:string"/>  
    <part name="userID" type="xsd:string"/>  
    <part name="parameterName" type="xsd:string"/>  
    <part name="parameterValue" type="xsd:string"/>  
</message>

**528** <message name="OutSetConfigParameterResponse">  
    <part name="result" type="xsd:boolean"/>  
</message>

**530** <message name="InGetConfigParameterRequest">  
    <part name="authToken" type="xsd:string"/>  
    <part name="provID" type="xsd:string"/>  
    <part name="userID" type="xsd:string"/>  
    <part name="parameterName" type="xsd:string"/>  
</message>

**532** <message name="OutGetConfigParameterResponse">  
    <part name="parameterValue" type="xsd:string"/>  
</message>

## FIG. 5D

```
550 <portType name="ProvisioningService">
552   <operation name="ResolveProvisioningID">
      <input message="InResolveProvisioningIDRequest"/>
      <output message="OutResolveProvisioningIDResponse"/>
    </operation>

554   <operation name="ResolveUsers">
      <input message="InResolveUsersRequest"/>
      <output message="OutResolveUsersResponse"/>
    </operation>

556   <operation name="CreateUserProfile">
      <input message="InCreateUserProfileRequest"/>
      <output message="OutCreateUserProfileResponse"/>
    </operation>

558   <operation name="QueryUserProfile">
      <input message="InQueryUserProfileRequest"/>
      <output message="OutQueryUserProfileResponse"/>
    </operation>

560   <operation name="UpdateUserProfile"/>
      <input message="InUpdateUserProfileRequest"/>
      <output message="OutUpdateUserProfileResponse"/>
    </operation>
```

FIG. 5E

562

```
<operation name="DeleteUserProfile"/>  
  <input message="InDeleteUserProfileRequest"/>  
  <output message="OutDeleteUserProfileResponse"/>  
</operation>
```

564

```
<operation name="SetConfigParameter">  
  <input message="InSetConfigParameterRequest"/>  
  <output message="OutSetConfigParameterResponse"/>  
</operation>
```

566

```
<operation name="GetConfigParameter"/>  
  <input message="InGetConfigParameterRequest"/>  
  <output message="OutGetConfigParameterResponse"/>  
</operation>  
</portType>
```

FIG. 6

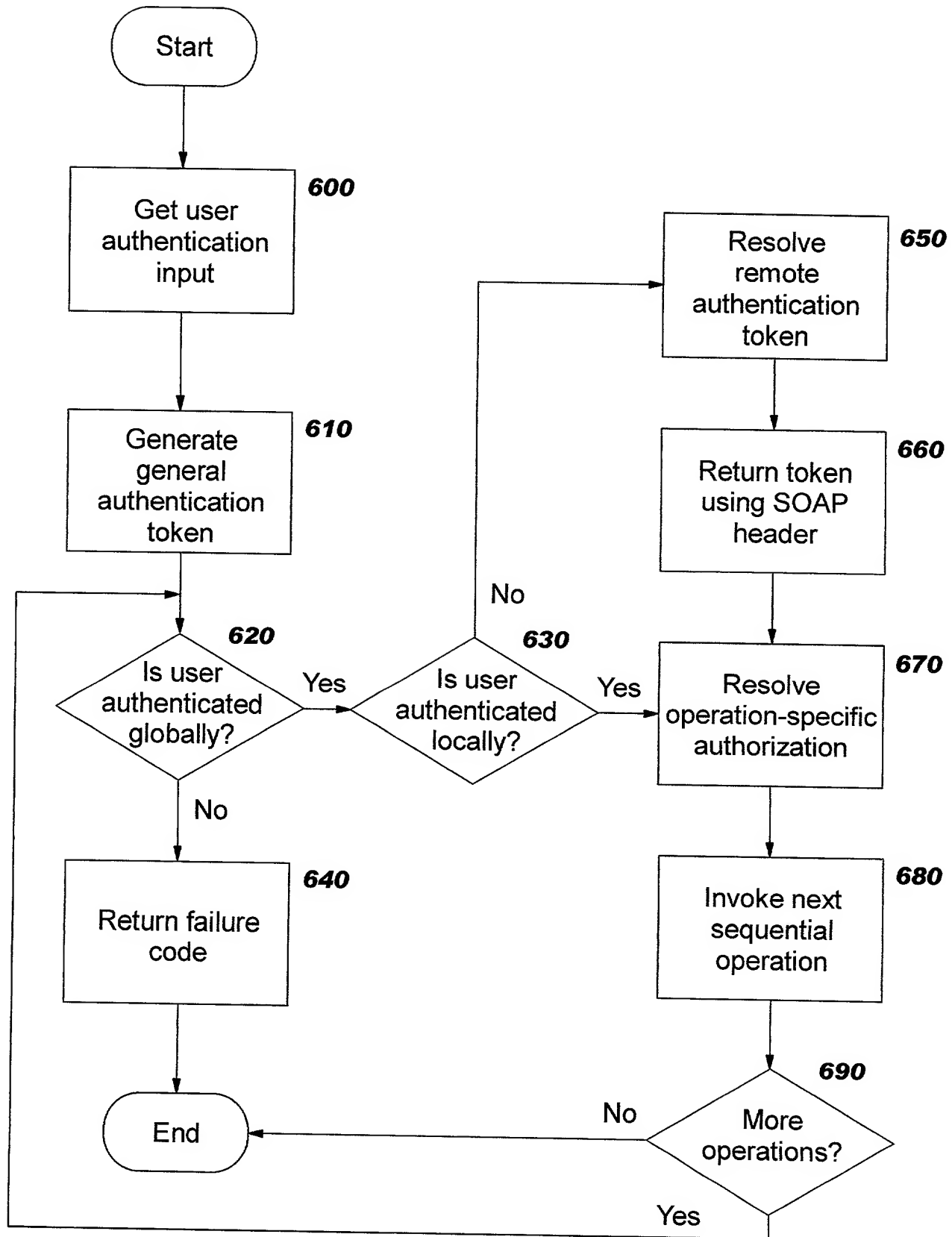


FIG. 7A  
(Prior Art)

700

```
SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Header>
  <SOAP-SEC:Signature xmlns:SOAP-SEC="http://schemas.xmlsoap.org/soap/security/2000-12"
    SOAP-ENV:actor="some-URI"
    SOAP-ENV:mustUnderstand="1">
    <ds:Signature xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
      <ds:SignedInfo>
        <ds:CanonicalizationMethod Algorithm="http://www.w3.org/TR/2000/CR-xml-c14n-20001026">
        </ds:CanonicalizationMethod>
        <ds:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#dsa-sha1">
        <ds:Reference URI="#Body">
          <ds:Transforms>
            <ds:Transform Algorithm="http://www.w3.org/TR/2000/CR-xml-c14n-20001026"/>
          </ds:Transforms>
          <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
          <ds:DigestValue>j6lwx3rvEPOOvKtMup4NbeVu8nk=</ds:DigestValue>
        </ds:Reference>
      </ds:SignedInfo>
      <ds:SignatureValue>MC0CFFrVLTrik=...</ds:SignatureValue>
    </ds:Signature>
  </SOAP-SEC:Signature>
</SOAP-ENV:Header>
```

710

720

FIG. 7B  
(Prior Art)

